

Message

From: Fry, Rebecca C [rfry@unc.edu]
Sent: 2/6/2019 10:50:22 PM
To: Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; Jackie Bangma [jacjac1575@gmail.com]
Subject: Re: HI!

Thank you Mark!

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From: "Strynar, Mark" <Strynar.Mark@epa.gov>
Date: Wednesday, February 6, 2019 at 4:31 PM
To: Jackie Bangma <jacjac1575@gmail.com>, Rebecca Fry <rfry@unc.edu>
Subject: RE: HI!

All,

My contact is Paul Resnick. He is glad to talk to you. I just spoke with him. He asked how much is needed and what is your budget, both of which I cannot answer. He has already spoken with Zhenfa about synthesis. It appears he has some ideas about making the remaining chemicals needed.

If you are willing to speak with him his number is Personal Matters / Ex. 6

Mark

From: Jackie Bangma <jacjac1575@gmail.com>
Sent: Monday, February 04, 2019 4:44 PM
To: Fry, Rebecca C <rfry@unc.edu>
Cc: Strynar, Mark <strynar.mark@epa.gov>
Subject: Re: HI!

Of course!

Hi Mark,

For mass spec standards, we are currently using Wellington labs C13-MPFAC-MXA and C13-GenX, but I have been looking for unlabeled versions of the four PFAS in the press release at the end of last year (see table below).

My goal was to find a few grams of each to be used in cell culture treatments. I have had minimal success with the companies I have contacted so far (see excel file for companies). The bullet points below is the summary of where we stand on the 4 novel PFAS mentioned in the press release:

- o Nafion BP 2: Snyquest Laboratories will synthesize
- o Hydro-EVE: Dr. Zhenfa Zhang at UNC is trying to synthesize
- o PFO4OA & PFO5DoDa: Neither Zhenfa or any synthesis company contacted are able to synthesize at this time.

PFAS in Wilmington Serum press release			MRM1	Chemical composition	
Chemcial name	Abbrev	Cas #	Transition 1	Transition 2	
Perfluoro(3,5,7,9-tetraoxadecanoic) acid	PFO4OA	39492-90-5	376.9525	332.9627	C ₆ HF ₁₁ O ₆
Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid	PFO5DoDa	39492-91-6	442.9436	398.9538	C ₇ HF ₁₃ O ₇
Ethanesulfonic acid, 2-[1-(difluoro(1,2,2,2-tetrafluoroethoxy)methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-	Nafion BP 2	749836-20-2	463	213	C ₇ H ₂ F ₁₄ O ₅ S
2,2,3,3-tetrafluoro-3-(((1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl)oxy)propanoic acid	Hydro-EVE	773804-62-9	475	225	C ₈ H ₂ F ₁₄ O ₄